

AMENDMENTS TO THE CLAIMS

Please amend claims 33-38 and 44, as follows. A complete listing of pending claims is provided below.

1-32. (Canceled)

33. (Currently Amended) A method for detaching an occlusive implant into a body cavity, comprising the steps of:

- i) inserting a catheter having a distal section and having an implant attached to said the distal section;
- ii) placing the implant at a site to be occluded;
- iii) directing a fluid to the distal section through a lumen in said catheter such that the fluid radially expands the distal section to release said implant from the distal section.

34. (Currently Amended) The method of claim 33, wherein said implant is a coil.

35. (Currently Amended) The method of claim 33, wherein said catheter is a tube.

36. (Currently Amended) The method of claim 33, wherein the distal section of said catheter further comprises a radially expanding coupling that releases said implant when the coupling is radially expanded by fluid pressure.

37. (Currently Amended) The method of claim 33, ~~whereby~~ wherein the implant is not in fluid communication with said lumen.

38. (Currently Amended) An apparatus for delivering an occlusive device to a vascular passage, comprising:

a delivery member having a coupling portion, the coupling portion changing configuration in response to fluid pressure applied to the coupling portion to release an occlusive device ~~carried by~~ from the coupling portion.

39. (Previously Added) The apparatus of claim 38, wherein the coupling portion changes configuration by expanding in a substantially radial direction in response to fluid pressure applied to the coupling portion.

40. (Previously Added) The apparatus of claim 38, wherein the coupling portion comprises a coupling member that couples to the occlusive device by clamping the occlusive device in a substantially fixed position, the coupling member changing configuration by expanding in a substantially radial direction in response to fluid pressure applied to the coupling member.

41. (Previously Added) The apparatus of claim 40, wherein the coupling member comprises a plurality of slots that engage the implant.

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and

42. (Previously Added) The apparatus of claim 38, wherein the coupling portion is configured so that the occlusive implant is not in fluid communication with the coupling portion.

43. (Previously Added) The apparatus of claim 38, wherein the coupling portion comprises a distal portion of the delivery member.

44. (Currently Amended) An apparatus for delivering an occlusive device to a vascular passage, comprising:

a delivery member, the delivering member comprising a deformable coupling portion that changes shape in response to fluid pressure applied to the coupling portion to release an occlusive device ~~carried by~~ from the coupling portion.

45. (Previously Added) The apparatus of claim 44, wherein the coupling portion changes shape by expanding substantially radially outward in response to fluid pressure applied to the coupling portion.

46. (Previously Added) The apparatus of claim 44, wherein the coupling portion comprises a coupling member that, when in one shape, is configured to couple an occlusive implant to the coupling member.

47. (Previously Added) The apparatus of claim 46, wherein the coupling member couples the occlusive implant by clamping action.

48. (Previously Added) The apparatus of claim 44, wherein the coupling portion is configured so that an occlusive implant is not in fluid communication with the coupling portion.

49. (Previously Added) The apparatus of claim 44, wherein the coupling portion comprises a distal portion of the delivery member.